

# Weekly report

## 1 Done

### 1.1 Graph Privacy

We discussed with Jia-Kai on Friday. He told us that we should talk with the expert on graph privacy as soon as possible. Because we have some uncertain designs.

Therefore, we had a talk with Kaiyu on Saturday. The summarization is listed as follow:

- The entire process of custom anonymization is very interesting. This system is considered to be helpful to protect graph privacy.
- Their mentor has studied prioritization. However, their mentor focused on the priority of privacy preservation rather than the priority of utility preservation. He believes that in the process of customization, it is more user-friendly to provide more attributes to select nodes. In addition, he prefers to choose nodes by percentages rather than specific attribute values.
- He thought that in addition to utility metrics, we can evaluate the results from the perspective of anonymization degree. Actually, we define a privacy-preserving goal and achieve it so that the anonymization degree is obvious. Maybe it could be omitted.
- Generally, they check the quantification results instead of graph data when they are processing the graph data. Hence, we collapse the view of graph is a good idea.

### 1.2 Geo-privacy

I analyzed the results and finished the section about experiment results. The section about discussion is updated as well. Thus, the writing is almost done. Next week we will design all figures and completed this paper.

### 1.3 Group Meeting

I read "Structuring Visualization Mock-up at the Graphical Level by Dividing the Display Space" for the presentation on next Friday.

## 2 Progress

Item	Deadline	Current progress	Remark
Geo-privacy	12.31	Writing is almost done.	-
Graph privacy	1.31	Programming.	-
Review	1.20	-	
Bitcoin	-	Survey.	-
Group meeting	12.29	Reading paper.	-